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Station	Title of project and date of approval	Project leaders	Cooperation ^{2/}	Financial support	
				Furnell	State ^{3/}
Ariz.	Bread baking with Arizona wheats. 6/19/25	M. L. Gammack		\$2,025	
Ark.	Basic factors in farm home planning. 3/20/26	M. Johnson & D. G. Carter	N.C.P. 4, III Agr. engineering.	5,300	\$200
Calif.	Effect of drying on vitamin content of fruits (peaches and prunes). 10/13/27	A. F. Morgan & A. W. Christie	N.C.P. 3 Horticulture.	750	250
Colo.	Baking of flour mixtures at high altitudes. 10/4/26	M. J. Peterson		4,800	
Conn. (Storrs)	Factors that determine standards of living in farm homes. 6/24/27	E.V.W. Clapp	N.C.P. 4, IV	4,000	

^{1/} This includes all projects approved by Office of Experiment Stations through November 1, 1927.

^{2/} Cooperation with other departments within the station is designated by the name of the department and participation in the national cooperative projects as follows:

N. C. P. 3--The vitamin content of food in relation to human nutrition.

N. C. P. 4--Rural home management studies:

I. Food consumption and expenditures of farm families.

II. Present use of time by farm home makers.

III. Efficiency studies of the household plant.

IV. Standards of living and expenditures of farm families.

N. C. P. 6--Factors which influence the quality and palatability of meat.

^{3/} Information incomplete.

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Fla.	Determination of whether chlorophyll, chlorophyll alpha and beta, and the petroleum-ether extracts of the yellow pigments of alfalfa can be used as a source of vitamin A in animal nutrition. 1/25/26 Revised 5/5/27	O. D. Abbott	N.C.P. 3	\$8,800	
"	A study to determine the apparent prevalence of nutritional diseases in rural school children between the ages of 6 and 12 years in five representative counties in Florida. 2/17/26	O. D. Abbott		3,000	
"	Determination and identification of the organisms which cause spoilage of canned vegetables in the South. 2/17/26	O. D. Abbott		500	
"	Study of the factors affecting the jellying of kumquats, loquats, roselle, and guava. 2/17/26	O. D. Abbott		500	
Ga.	Food habits of Georgia rural people. 7/3/25	S. J. Mathews	N.C.P. 4, I	3,200	
"	Vitamin content of turnip greens, collards, peaches, and cantaloupes. 7/3/25	C. Newton	N.C.P. 3	2,800	

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Idaho	Food consumption and food expenditures of farm families in rela- tion to standards of re- quirement and income. 11/1/26	C. Talbot	N.C.P. 4, I	750	
Ill.	The distribution of vita- min B in the kernels of unmilled cereal grains. 12/19/25	R. Arnold	N.C.P. 3	1,720	100
"	The effect of milling processes on the vitamin B content of cereal pro- ducts used for human food. 12/19/25	R. Arnold	N.C.P. 3	1,720	100
"	A study of wheat flours milled in Illinois in relation to their use in baking. 1/3/27	A. M. Schreiber		1,443	600
Ind.	Fuels for cooking pur- poses in rural homes. A comparison of fuels from standpoint of efficiency and operating cost. 12/23/26	M. Rapp	N.C.P. 4, III	3,920	
Iowa	The vitamin content of vegetables as affected by cultural methods and degree of maturity. 3/1/26	P. M. Nelson and A. T. Erwin	N.C.P. 3 & Vegetable Crops.	2,625	
	The vitamin content of vegetables as affected by storage. 3/1/26	P. M. Nelson and A. T. Erwin	N.C.P. 3 & Vegetable Crops.		

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Iowa	Nutrition studies with meats to determine the effects on bodily vigor, reproduction and lactation of feeding a high level of meat in the diet. 3/1/26	P. M. Nelson and M. D. Helser	Animal Husbandry.	825	
"	The effect of age and feed of animal and ripening of meat on quality and palatability of beef after roasting. 5/1/26	P. M. Nelson and M. D. Helser	N.C.P. 6 Animal Husbandry.	50	
"	The application of electricity in the farm home. a. Cooking with electricity. b. Economic application of electric refrigeration in the farm home. c. Design and construction of electric dishwasher. d. Cost and utilization investigation of electrical household equipment. 10/3/25	E. Davison and J. B. Davidson	N.C.P. 4, III Agr. Engineering.	2,000	
"	Studies of consumption habits of Iowa farm families. 3/22/26	E. E. Hoyt	N.C.P. 4, IV	2,350	
Kans.	Protective value of certain clothing fabrics against (1) heat and cold and (2) against sunburn. 7/3/25	M. Justin, L. Baker, and K. Hess	Physics.	2,850	

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				Purnell	State
Kans.	Utilization of calcium and phosphorus from fresh, dried, and evaporated milk. 7/3/25	M. Kramer		900	
"	The vitamin content of the diet in relation to human nutrition: 1. Factors affecting seasonal variation in the growth curve of children. 2. Vitamin content of cabbage, sauerkraut, relishes, celery cabbage, cherries, peaches, rhubarb, and string beans. 7/3/25	M. Justin & M. Chaney	N.C.P. 3	4,135	
"	Influence of feed on cooking quality of meat of grass fat cattle (tenderness and color of cooked beef from grass fat steers and similar animals). 5/29/26	M. Justin	N.C.P. 6 Animal Husbandry.	50	
Ky.	The vitamin content of raw, cooked, and canned kale and mustard greens. 9/23/25 & 10/21/26	M. Hopkins & S. Erikson	N.C.P. 3	1,500	
"	The metabolism of obesity. 10/20/25	M. Hopkins & S. Erikson			
"	A study of the cause for variation in the cooking quality of white potatoes. 11/5/26	M. Hopkins & S. Erikson		500	

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				Purnell State
Ky.	Studies of the antirachitic potency of the sun's rays at the latitude of Kentucky (including antirachitic potency of eggs as affected by exposure of hens to sunlight and ultraviolet light at different seasons of year, comparative antirachitic value of brown shell and white shell eggs, and effect of storage on antirachitic value of eggs. 7/1/27	J. H. Martin & S. E. Erikson	Poultry Husbandry. N.C.P. 3	2,150 950
Me.	The iron content of edible wild greens of Maine. 5/13/27	P. S. Greene		4,000
Md.	Housing in relation to farm labor turnover. 9/25/26	M. Mount & M. Coffin		4,600
Mass.	Food consumption of school children in relation to health. 11/11/25	E. S. Davies		1,425
"	Present practices of Mass. consolidated elementary rural schools with regard to school feeding and transportation and their effects upon health of pupils. 10/14/27	E. S. Davies		3,635

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				Furnell	State
Mich.	The vitamin content of some commercially canned vegetables. (Peas, corn, cherries) 10/9/25	M. Dye and R. Hershey	N.C.P. 3	\$3,000	
"	The vitamin A and D content of certain blanched and unblanched vegetables (lettuce, asparagus, celery). 6/25/26	M. Dye and R. Hershey	N.C.P. 3 Horticulture	1,000	
"	The effect of the anti-rachitic factor and ultra violet irradiation on the calcium metabolism of women. 6/25/26	M. Dye and R. Hershey		1,000	
"	The effect of variations in the nutrition of leaf lettuce on its vitamin A content. 10/12/27	M. Dye and J. W. Crist	N.C.P. 3 Horticulture	1,000	
Minn.	The influence of the vitamins on the utilization of iron and other compounds from food materials for blood formation and regeneration. 8/7/25	J. Leichsenring		3,200	
"	A study of methods of cooking pork products. 11/9/25	A. Child	N.C.P. 6 Animal Husbandry.	1,750 1,050 ^{1/}	
Miss	A study of the food habits of people in two contrasting areas in Mississippi. 11/27/25	D. Dickins	N.C.P. 4, I		
"	Food consumption and expenditures for food of negro tenants in the Yazoo-Mississippi Delta. 6/28/26	D. Dickins	N.C.P. 4, I	10,000 (total for all projects)	

^{1/}Allotted in 1927-28 budget for textile project.

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				Purnell	State
Miss.	Conservation of iron in vegetables through methods of preparation and cook- ing. 5/20/27	D. Dickins and C. Sheets			
Mo.	A study of effect of temperature and time of cooking on quality and palatability of meat. 6/10/26	J. A. Cline and C. W. Craighead	N. C. P. 6	1,100	
"	Influence of methods of handling foods on their vitamin content. 7/1/26	M. Hessler, G. S. Craig, & E. C. Rogers	N. C. P. 3	2,900	
Mont.	Food preservation. I. Vegetables. 2/6/25	J. E. Richardson		925	
"	The vitamin content of vegetables in winter storage. 7/30/26	J. E. Richardson	N. C. P. 3	1,540	
"	Effect of wheat screen- ings on grade and quality of lamb. 1/25/27	J. E. Richardson	N. C. P. 6 Animal Hus- bandry.	915	
"	Effect of alfalfa hay alone and with varying amounts of grain on grade, quality, and pala- tability of beef from yearling steers. 1/25/27	J. E. Richardson	N. C. P. 6 Animal Hus- bandry.	960	
"	A qualitative and quan- titative study of farm homes in Montana. 7/21/27	J. E. Richardson	N. C. P. 4, IV	1,960	
Nebr.	Water carried for house- hold purposes. 10/24/25	G. Gray	N. C. P. 4, III	1,270	
"	Lighting with portable lamps. 10/24/25	G. Gray	N. C. P. 4, III	1,270	
"	Routine and seasonal work of the housekeeper. 2/11/26	G. Gray	N. C. P. 4, II	2,145	

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Nebr.	Kerosene cooking stoves. 2/11/26	G. Gray	N.C.P. 4, III	1,420	
"	The Nebraska rural kitchen. 5/11/26	G. Gray	N.C.P. 4, III	1,295	
N. H.	Studies in human nutri- tion. Caloric values of foods. 5/21/26	A. G. Farr	Nutrition Lab, Carnegie Institution,	2,000	
N. Y. (Cornell)	Food consumption of farm and village fami- lies. A study in con- sumers' demand. 7/9/25	F.M. Williams and J. Lockwood	N.C.P. 4, I	560	
"	Index number of money cost of living in small towns in New York State. 7/15/27	H. Canon	N.C.P. 4, IV	4,040 (total for the two pro- jects)	
"	Index number of fluctu- ations in money cost of goods purchased by farm families for the use of the family. 7/9/25	F.M. Williams and H. Canon	N.C.P. 4, IV		
"	The antirachitic value and growth-promoting properties of egg yolk and the effect of the food of the hen and other conditions on these factors in the yolk. 11/11/25	A. Spohn and E. MacArthur	N.C.P. 3 Poultry.	5,400	875
N. Dak.	Factors influencing the quality and palatabil- ity of meat. Methods of cooking meats, 8/4/25	P.F. Trowbridge and C. Leiby	Animal Hus- bandry. N.C.P. 6	3,500	

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				Purnell	State
Ohio	A study of the cost of family living on Ohio farms. 8/30/26	F. R. Lanman and C. E. Lively	N.C.P. 4, IV Rural Economics.	1,200	
"	Basal metabolism of young women 14 to 20 years of age. 10/13/26 Seasonal variation in growth of preschool children in Ohio. 11/4/26	F. R. Lanman and H. McKay F. R. Lanman and H. McKay		1,500 (total for two projects)	
Okla.	The farm woman's part in establishing the economic status of the family by her standard of management, with special reference to clothing. 4/26/26	G. Fernandes	N.C.P. 4, IV Rural Life.	4,000	
"	Storage of vegetables to meet the conditions of the average farm home in Oklahoma. 1/12/22/26	M. Benoy		2,891	
Oreg.	Use of time by farm home makers. 10/16/25	M. Wilson	N.C.P. 4, II	5,255	
R. I.	Use of time by rural home makers. 12/4/25	M. Whittamore	N.C.P. 4, II	3,500	
S. C.	Leisure and how used by farm families in South Carolina. 10/13/26	M. E. Frayser	N.C.P. 4, II	5,600	
S. Dak.	The vitamin C content of canned spinach. 7/6/25	E. M. Pierson and J. Anderson	N.C.P. 3	1,500	

^{1/} Project transferred to Dept. Agr. Chem. Research.

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S. Dak.	Kind and quality of material in women's coats from typical retail stores in the State. 5/4/26	A. O. Halgrin		2,000	
" "	Use of labor-saving devices in preparation of meals. 7/7/26	G. E. Wasson	N.C.P. 4, III	2,500	
Tex.	Adequacy of the diet of Texas school children. 10/20/27	J. Whitacre		3,600 ^{1/}	
Utah	Factors affecting penetration of ultra-violet rays of the sun through animal and vegetable fiber. 2/4/26	C. C. Dozier		1,760	
"	Food habits of Utah families. 2/4/26	A. P. Brown	N.C.P. 4, I	3,100	
Vt.	Comparative study of data on farm household expenditures obtained from household accounts and from schedules. 9/30/27	M. Muse and C. P. Brooks	N.C.P. 4, IV	2,400	
Va.	An investigation of food expenditures and dietary standards of rural families in Virginia. 8/29/25	E. A. Reynolds (resigned)	N.C.P. 4, I	3,900	
"	The relation of housing to the health of the family in rural homes. 3/6/26	E. A. Reynolds (resigned)		3,100	

^{1/}\$10,400 allotted for additional projects during 1927-28.

Station	Title of project and date of approval	Project leaders	Cooperation	Financial support	
				Parnell	State
Wash.	A study of the present use of time by farm home makers in the State of Washington. 4/1/26	I. J. Arnquist and F. Harrison	N.C.P. 4, II	3,445	
W. Va.	Methods for the economic utilization of surplus food products, with special reference to the problems of the home. Standardization of preserves. 7/22/25	H. C. Cameron	Horticulture and Extension.	4,000	
" "	Food consumption and expenditure of farm families. (a) Study of food habits. 12/23/26	N. Nesbitt	N.C.P. 4, I	1,900	300
Wis.	The antiscorbutic content of tomatoes from different sources and produced under different conditions. 11/9/25	B. Clow and S. Munger	N.C.P. 3 Horticulture.	950	500
"	Studies of food expenditures of farm families in Wisconsin. 11/9/25	A. Marlatt and W. Hale	N.C.P. 4, I	2,825	500
Wyo.	Baking qualities and methods of baking Wyoming flour. 1/25/25	E. J. McKittrick		3,504	
	A study of food expenditures and consumption of farm families. 2/7/25	E. J. McKittrick	N.C.P. 4, I	760	

